

PA-SHT REV 5

CONDUIT AND CABLE SCHEDULE STAGE I

CONDUIT DESIGNATION	CIRCUIT No.	FROM	TO	SERVICE	CONDUIT NUMBER OF SETS	CONDUIT SIZE	CABLE (PER CDT.) OR BUSWAY NUMBER & SIZE	CABLE TYPE	REMARKS
L-5-TEMP	L-5	EXIST. SWGR. BUS "L"	PANEL #DP-75S	480V / 277V	1	3 1/2"	4-500MCM XHHW-2 1-#2/0 GND.		SEE NOTE #4
DP-75S-11	11	PANEL #DP-75S	COMB. STARTER	480V	1	3/4"	3 # 12 XHHW-2 1 # 12 GND.		
		COMB. STARTER	MOTOR E-75-22	480V	1	3/4"	3 # 12 XHHW-2 1 # 12 GND.		
DP-75S-12	12	PANEL #DP-75S	STARTER CABINET	480V	1	3/4"	3 # 12 XHHW-2 1 # 12 GND.		
		STARTER CABINET	MOTOR ACS-75S	480V	1	3/4"	3 # 12 XHHW-2 1 # 12 GND.		
DP-75S-8	8	PANEL #DP-75S	COMB. STARTER	480V	1	3/4"	3 # 12 XHHW-2 1 # 12 GND.		
		COMB. STARTER	MOTOR FP-75-1-2	480V	1	3/4"	3 # 12 XHHW-2 1 # 12 GND.		
DP-75S-14	14	PANEL #DP-75S	STARTER CABINET	480V	1	2"	3 # 4/0 XHHW-2 1 # 2 GND.		
		STARTER CABINET	MOTOR ACS-75-3	480V	1	2"	3 # 4/0 XHHW-2 1 # 2 GND.		
DP-75S-9	9	PANEL #DP-75S	TP-LV-75S	480V	1	1"	3 # 6 XHHW-2 1 # 10 GND.		
DP-75S-10	10	PANEL #DP-75S	PANEL #LP-75S (EXIST.)	480V / 277V	1	2"	4 # 3/0 XHHW-2 1 # 4 GND.		
LV-75S		TP-LV-75S	PANEL #LV-75S	208V / 120V	1	1 1/2"	4 # 1 XHHW-2 1 # 6 GND.		

NOTES

- FOR LEGEND SEE DWG. #E-1, FOR GENERAL NOTES, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DWG. #E-2
- FOR TYPICAL SUBSTATION STAGE I SEQUENCE OF INSTALLATION SEE DWG. #E-4
- FOR HVAC CONTROL WIRING DIAGRAM & DETAILS SEE DWG. #E-108.
- IN STAGE I, TEMPORARY FEEDER L-5-TEMP, SHALL SUPPLY POWER TO PNL. DP-75S WITH ONLY CKT'S. DP-75S-8,11,12 AND 14 CONNECTED. IN STAGE II, AFTER FEEDER L-5-TEMP IS REMOVED AND REPLACED BY FEEDER 4-3, CONNECT OTHER FEEDERS TO PNL. DP-75S.

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THE PORT AUTHORITY
OF NY & NJ

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ENGINEERING PROGRAM MANAGER
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CHIEF ELECTRICAL ENGINEER

Engineering Department
Design Division
The World Trade Center
Electrical/HVAC
Upgrade Program

Title
TOWER ONE AND TWO
LOW VOLTAGE
SUBSTATIONS
CONSTRUCTION AND
INSTALLATION
ELECTRICAL
SUBSTATION SS-75S
STAGE I ONE LINE
DIAGRAM CONDUIT
AND CABLE SCHEDULE

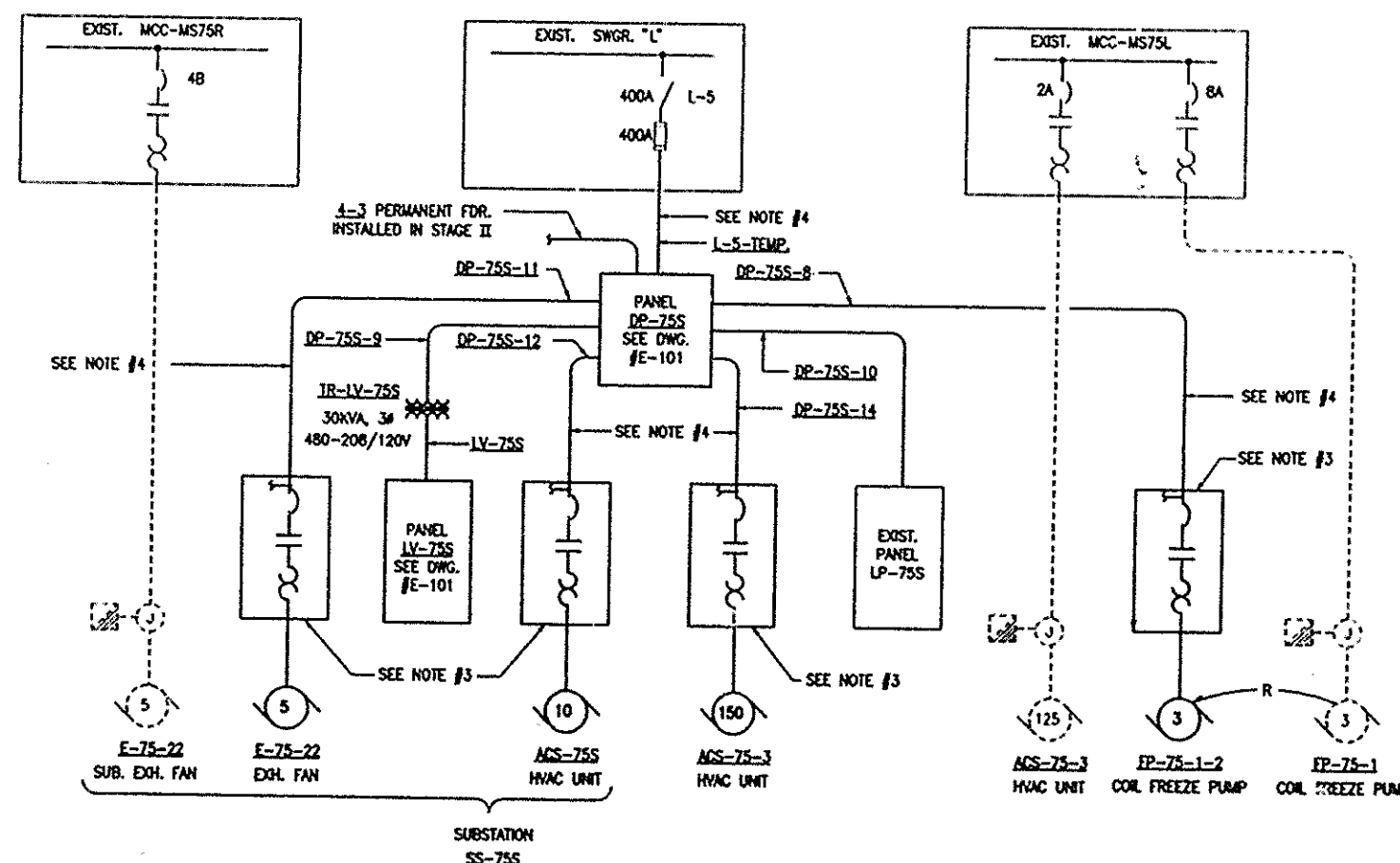
No. Date Revision Approved

This drawing is subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

ROYZMAN
FISCHER
Designed by Drawn by Checked by

Date 5-1-95 Scale NONE

Contract Number Drawing Number
WTC 802.071 E-51



ONE LINE DIAGRAM
HVAC UNITS AND RELOCATED FEEDERS,
FOR FOR. SIZE SEE SCHEDULE THIS DWG.
N.T.S.

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT
COPY OF ONE OF THE CONTRACT DRAWINGS CON-
STITUTING A PART OF CONTRACT NO. WTC-802.071
IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT
THE TIME THE SAID CONTRACT WAS EXECUTED BY
THE PARTIES.
DATE 6/21/95 *William A. Adams*
DATE 8/15/95 *Peter K. Sweeney*
SPEC. WRITER
ENGINEER OF DESIGN